

## **REMARKS**

### **I. INTRODUCTION**

The Office Action mailed on October 13, 2006, the references cited therein , and the Advisory Action mailed on February 9, 2007 have been carefully studied and, in view of the foregoing amendments and the following remarks, reconsideration and allowance of this application are most respectfully requested. Claims 1-70 are currently pending in the present application, and claims 1-4, 6-38, and 40-70 have been rejected, and claims 5 and 39 are objected to. By the current amendment, claims 3-5, 9, 12-14, 16-19, 21, 24-26, 30-34, 37-39, 43, 46-48, 50-53, 55, 59-61, and 65-70 have been amended. It is believed that no new matter has been added by the current amendment. Claims 1, 2, 6-8, 22, 23, 27-29, 35, 36, 40-42, 57, 58, and 62-64 have been canceled without prejudice or disclaimer to further pursuing such claims in another application. Applicants respectfully submit that the pending claims are now in condition for allowance.

### **II. REJECTIONS UNDER 35 U.S.C. § 112**

Claims 22-34, and 57-70 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Claims 22, 23, 27-29, 57, 58, and 62-64 have been canceled. Claims 24-26, 30, 59-61, and 65 have been amended to recite that the nitrogen N is coordinated to a metal having an atomic weight grater than 40 pursuant to the Examiner's recommendation (¶4 of the Office Action) to overcome this rejection. Specifically Claims 23-34 and 58-70 ultimately depend from the currently amended claims. It is believed that no new matter has been added by the current amendment.

Claims 2, 22-34, 36, and 57-70 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as their invention. Claims 2, 22, 23, 27-29, 36, 57, 58, and 62-64 have been canceled. Claims 24-26 and 30 have been amended as described in 1297321\_2.DOC

the preceding paragraph such that the ligand comprises a nitrogen atom N that is coordinated to a metal, to clarify the original claims. Claim 31-34 depend from claim 30 and thus contain the same clarification. The current amendment also moots the rejection for lack of proper antecedent basis regarding "the metal M" in prior versions of the claims (§ 4 of Office Action). It is believed that no new matter has been added by the current amendment.

Thus, Applicants respectfully submit that the rejections under 35 U.S.C. § 112, first and second paragraphs, have been overcome and should therefore be withdrawn.

### III. REJECTIONS UNDER 35 U.S.C. § 103

Claims 1-4, 6-25, 27-38, 40-60, and 62-70 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Brown et al. (US 2004/0086743). The Examiner believes that Brown et al. teach photoactive ligands may be phenylpyridine, phenylisoquinoline or phenylquinoline as shown in Brown's ligands of the 1<sup>st</sup>, 18<sup>th</sup>, or 19<sup>th</sup> formulae in Figure 6. The Examiner also believes that Brown teaches that the ring A may be substituted with an at the R<sub>3</sub>' position.

As the Examiner correctly points out, Brown et al. has a common inventor with the current application. Moreover, the claimed invention was made in connection with a joint university corporation research agreement and the inventors of Brown et al. and Applicants are subject to an obligation of assignment to Universal Display Corporation. The agreement was in effect on and before the date the claimed invention was made, and the claimed invention was made as a result of activities undertaken within the scope of the agreement. Thus, Applicants respectfully submit that Brown et al. is disqualified under 35 U.S.C. 103(c) as prior art in a rejection under 35 U.S.C. 103(a). MPEP § 706.02(1)(1) and § 706.02(1)(2). The Examiner has pointed out in the Advisory Action that the CREATE Act requires the application to disclose or be amended to disclose the names of the parties to the

joint research agreement. Applicants respectfully submit that they had done so in the response to the Office Action mailed on March 15, 2006. Specifically, on pages 5-6 of that response, Applicants had requested the following paragraph be entered on page 1 of the specification:

[0001]The claimed invention was made by, on behalf of, and/or in connection with one or more of the following parties to a joint university corporation research agreement: Princeton University, The University of Southern California, and the Universal Display Corporation. The agreement was in effect on and before the date the claimed invention was made, and the claimed invention was made as a result of activities undertaken within the scope of the agreement.

Applicants respectfully submit that the above paragraph satisfies the CREATE Act and effectively disqualifies Brown et al. under 35 U.S.C. 103(c) as prior art in a rejection under 35 U.S.C. 103(a). MPEP § 706.02(l)(1) and § 706.02(l)(2).

Claims 1, 22, 23, 35, 36, 56-58, and 70 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Kamatani et al. (US 2003/0059646 A1). By the current amendment, claims 1, 22, 23, 35, 36, and 57-58 have been canceled without prejudice or disclaimer to further pursuing such claims in another application.

Applicants respectfully submit that the rejections under 35 U.S.C. § 103 have been overcome and should therefore be withdrawn.

#### IV. MISCELLANEOUS

Applicants confirm that “(d)”, “(e)”, and “(f)” in lines 2-4 of claims 57 are typographical errors and should be replaced by “(a)”, “(b)”, and “(c)” as indicated in Applicants’ response to the Notice of Non-Compliant Amendment mailed on July 7, 2006.

Applicants have also added a period at the end of claims 3-5, 12-14, 16-19, 21, 24-26, 31-33, 37-39, 46-48, 50-53, 55, 59-61, and 66-69.

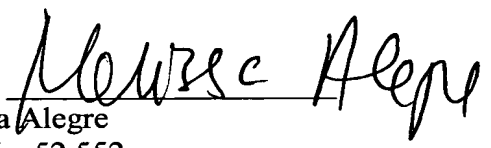
The Examiner has indicated that claims 5 and 39 are objected to as being dependent upon a rejected base claim (but would be allowable if written in independent form). Applicants submit that the current amendment overcomes all the claim rejections, as discussed above, such that these claims are now allowable in the currently amended form.

VI. CONCLUSION

Applicants respectfully submit that the pending claims are now in condition for allowance and request that such action be taken. If for any reason the Examiner believes that prosecution of this application would be advanced by contact with the Applicants' attorney, the Examiner is invited to contact the undersigned at the telephone number given below.

Respectfully submitted,  
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Dated: March 13, 2007

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